

ABSTRACT

A pressure relief valve includes a valve insert having an opening at a first end and a pathway extending towards the opening from a second end of the valve insert. An adjustment member is received within in the opening of the valve insert. The valve insert and the adjustment member define a chamber adjacent the pathway. The adjustment member includes a throughway. A bearing element is within the chamber and adjacent the pathway. A width of the bearing element is larger than a width of the pathway. A spring is within the chamber and is under compression and in line with the bearing element. A cushioning member surrounds the valve insert and allows the flow of pressurized fluid. The spring exerts a force on the bearing element such that the bearing element is biased against the pathway and forms a seal between the chamber and the pathway.